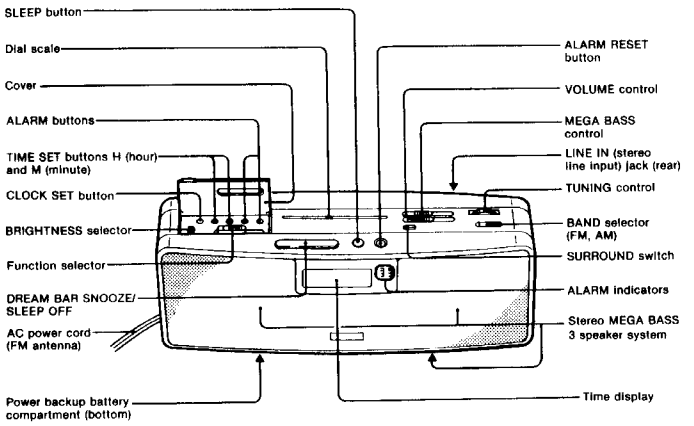
Parts Identification



Power Backup Function During Power Interruption

This function allows you to keep the clock operating and to hold the alarm time setting during a power interruption.
During a power interruption, the illumination of the display goes off and the alarm cannot come on.

To check battery condition
unplug the AC power cord from the wall outlet and plug it in again after a few minutes. If the time indication is incorrect, the battery is weak or exhausted. In this case, replace the battery
For battery life, see "Specifications"

Notes
- The battery is used only for the clock power backup function and not for the radio operation.
- When the unit is unplugged from the wall outlet for a long period of time, be sure to remove the battery to avoid undue battery discharge and damage from possible battery leakage.
- A difference of about ±6 minutes per hour may result between the correct time and the times shown on the clock after the power interruption.

Troubleshooting Guide

Should any problem persist after you have made the following checks, consult your nearest Sony dealer.

The clock does not show the correct time.
- There has been an electrical power interruption and the power back-up battery is exhausted or is not installed.

The radio or buzzer alarm sound does not come on at the preset alarm time.
- Is the current time correctly set?
  Check the AM/PM indication.
- Is the alarm time correctly set?
  Check the AM/PM indication.
- Is the function selector correctly set?
  For radio alarm: set to A RADIO.
  For buzzer alarm: set to B BUZZER.
  For both radio and buzzer alarm set to DUAL ALARM.
- For radio alarm, is the desired station tuned in?
- Is the VOLUME control adjusted correctly?
  If it is down completely for radio alarm, the alarm sound will not be heard. Be sure to turn up the volume.

Features

- High quality AM/FM stereo radio combined with an electric digital alarm clock and timer.
- The Sony MEGA BASS system produces powerful sound. This unit incorporates a super woofer, which has its own amplifier separate from the one for the full-range speaker.
- The SURROUND switch sets up an exciting stereo sound.
- Because this unit is equipped with a stereo line input jack, you also can enjoy external sound—as from the Discman or Walkman—with MEGA BASS or SURROUND function.
- Choice of awakening to radio alarm, buzzer alarm, or dual alarm: Alarm A (radio) and alarm B (buzzer).
- Power backup function to keep the clock operating during a power interruption.
- DREAM BAR, feather-light touch to operate, and having function: snooze alarm and sleep timer off.

Precautions

- Operate the unit only on 120V AC, 60 Hz.
- To disconnect the cord, pull it out by grasping the plug. Never pull it by the cord.
- Do not leave the unit in a location near heat source such as a radiator or airduct, or in a place subject to direct sunlight, excessive dust, moisture, mechanical vibration, or shock.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on a surface (a rug, a blanket, etc.) or near materials (a curtain) which might block the ventilation holes.
- Should any solid object or liquid fall into the unit, unplug the unit and have it checked by qualified personnel before operating it any further.
- Since a strong magnet is used for the speaker, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnet.
- When the cabinet becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the cabinet.

If you have any question or problem concerning your unit that is not covered in this manual, please consult the nearest Sony dealer.

Specifications

Frequency range	FM: 87.6 — 108 MHz AM: 530 — 1,710 kHz
Antennas	FM: AC power cord antenna AM: Built-in ferrite bar antenna
Speakers	Full-range: 7.7 cm (3⅛ inches) dia. Super woofer: 7.7 cm (3⅛ inches) dia.
Power output	1.2W + 1.2W Super woofer 2.4W
Inputs	LINE IN (stereo mini jack) Sensitivity 0.44V Input impedance 47 kOhm
Power requirement	120V AC, 60 Hz For power backup function: 9 V DC, one 6F22 battery
Battery life	Approx. 40 hours, using Sony-battery S-006P(U)
Dimensions	Approx. 370 × 140 × 120 mm (w/h/d) 14⅝ × 5⅝ × 4¾ inches) not incl. projecting parts and controls
Weight	Approx. 2.4 kg (5lb 5 oz) not incl. battery.

Optional accessory
Connecting cord RK-G136 (stereo mini plug to stereo mini plug)
Connecting cord RK-G129 (two phono plugs to stereo mini plug)

Design and specifications subject to change without notice.

SONY 3-750-421-21 (1)

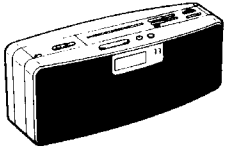
Dual Alarm AM/FM Stereo Digital Clock Radio

ICF-CS970

Do not remove

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

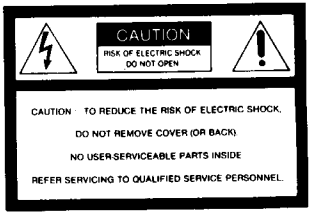


DREAM MACHINE
MEGA BASS

Sony Corporation©1989 Printed in Taiwan R.O.C.

WARNING

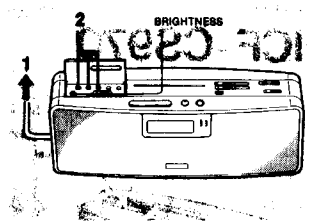
To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

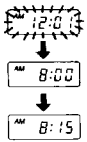
How to Set the Clock



1 Connect the AC power cord to a wall outlet
Figures will appear and begin to blink.

Example:
To set to 8:15 AM

2 Open the cover and adjust the clock to the current time with the TIME SET buttons, H (hour) and M (minute), while holding down the CLOCK SET button.



AM12:00 = midnight
PM12:00 = noon

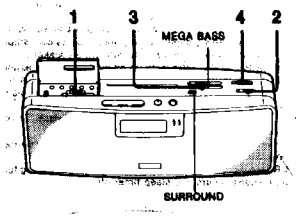
The hour and minute digits advance independently. The minute digits return to "00" after reaching "59".

To advance the minute digits rapidly
Keep the H and M buttons pressed while holding down the CLOCK SET button.

To change the brightness of the time display
Open the cover and set the BRIGHTNESS selector to either L or H.

Zero second adjustment
Example: To set to 7:15 p.m.
1 Adjust the time to PM 7:14 as previously described.
2 Press CLOCK SET button and M button simultaneously with the radio or telephone time signal, and then release.

Radio Operation



1 Set the function selector to RADIO ON.
2 Select the desired band (FM or AM).
3 Adjust the VOLUME control to get sound.
4 Tune in the desired station and adjust the volume.

To turn off the radio, set the function selector to OFF.

To adjust the sound quality

To obtain powerful bass
The "MEGA BASS" system gives powerful bass through the super woofer added to a normal speaker system.
To increase the bass, slide the MEGA BASS control toward MAX.

To enjoy external sound
You can enjoy a portable CD player to be connected to the LINE IN (stereo line input) jack. Set the function selector to RADIO ON when the LINE IN jack is used.

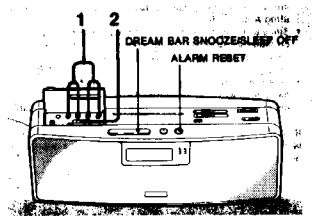
Note: If the program source is monaural, the surround effect cannot be obtained.

To bring about the stereo effect, press the SURROUND switch.

To Improve Receiving Condition
FM: Since the AC power cord serves as an FM antenna, extend it for better reception.
AM: Since the reception is affected by the direction of the radio, rotate the radio horizontally for optimum reception.

In weak signal areas, stereo sound may be changed to monaural sound automatically.

How to Set the Alarm



1 Set the alarm time for radio or buzzer.
Open the cover and set the radio alarm time with TIME SET H and M while holding down ALARM [A] RADIO.
Set the buzzer alarm time with TIME SET H and M while holding down ALARM [B] BUZZER.

To advance the minute digits rapidly
Keep the H and M buttons pressed while holding down the ALARM button.

2 Set the function selector to the desired alarm position:
for radio alarm, to [A] RADIO, for buzzer alarm, to [B] BUZZER, for both radio and buzzer alarm, to DUAL ALARM.

For radio alarm
Tune in the desired station and adjust the VOLUME and MEGA BASS controls and the SURROUND switch as described in "Radio operation".

Notice for dual alarm
- If you set the radio and the buzzer to the same time, only the radio sound will be heard.
- If the buzzer alarm is set to the time before the radio alarm stops, the alarm shifts from radio to buzzer at the alarm preset time.

The desired alarm will automatically sound at the preset time, and automatically turn itself off after about 59 minutes.

If you want to listen to the radio continuously, set the function selector to RADIO ON.

Note on volume adjustment
The buzzer sound level is fixed, and independent of the VOLUME control setting. For radio alarm, however, be sure to adjust the volume.

To stop the radio or buzzer sound, set the function selector to OFF or press the ALARM RESET button.

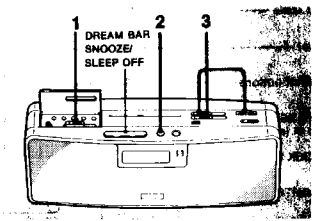
Snooze alarm function
If you wake to the alarm sound in the morning but want to doze for a few more minutes, just lightly press the DREAM BAR SNOOZE/SLEEP OFF.
The alarm sound will be silenced, but will automatically come on again after about nine minutes. If you want to doze more, press the bar again. You can repeat this snooze function as many times as you like. If you do not want the alarm sound any more after pressing the bar, press the ALARM RESET button.

To wake to the alarm sound at the same time the next day
Stop the radio or buzzer sound by pressing the ALARM RESET button. Leave the function selector as it is.

To check the preset time
Press the ALARM button, [A] RADIO to check the radio preset time, and [B] BUZZER for the buzzer.

How to Set the Sleep Timer

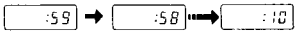
By using the sleep timer, you can fall asleep while listening to the radio. You can set the sleep time so that the radio turns off up to 59 minutes later.



1 Set the function selector to RADIO OFF.

2 Press the SLEEP button
The radio turns on. The radio will turn off after 59 minutes.

To set the desired time
The digits will be reduced by keeping the SLEEP button pressed. So, you can set the desired time within the range from 59 minutes to 1 minute.



3 Tune in the desired station and adjust the volume.
The radio will turn off automatically after the preset time had elapsed.

To turn off the radio before the preset time, press DREAM BAR SNOOZE/SLEEP OFF (which cancels the "sleep timer" function).

To check the remaining minutes, press the SLEEP button lightly.

If the preset alarm time comes while the sleep timer is operating, the alarm buzzer will not sound.